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(21)Application number : 10-225680 (71)Applicant : IDEMITSU KOSAN CO LTD

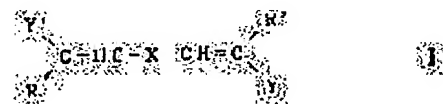
(22)Date of filing : 10.08.1998 (72)Inventor : AZUMA HISAHIRO
HOSOKAWA CHISHIO
KUSUMOTO TADASHI

(54) AROMATIC HYDROCARBON COMPOUND AND ORGANIC ELECTROLUMINESCENCE ELEMENT BY USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a new compound of a sulfur atom-containing aromatic hydrocarbon compound, and useful as a constituent material of an organic electroluminescence element having high thermal stability, high luminescent characteristics and a low drive voltage.

SOLUTION: This new compound is the one of formula I [X is a 21-60C arylene (substituted with a 1-30C alkyl or the like) or a polyarylene; Y1 and Y2 are each a 4-30C monovalent group comprising a heterocycle



having a sulfur atom, or a sulfur atom-containing polyarylene of an aggregate of arylenes including the before heterocycle; R1 and R2 are each a 6–30C aryl (substituted with one or more kinds of H, a 1–30C alkyl and the like), a polyaryl of the aggregate of the before group, or the like], e.g. a compound of formula II. The compound of formula I is obtained, for example, by forming a compound of formula III into a Grignard reagent, and coupling the obtained Grignard reagent with a compound of the formula Br–X–Br (e.g. 9,10-dibromoanthracene).

LEGAL STATUS

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